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				Application Number	09/976,243	
INFO	RMATION D	IS(CLOSURE	Filing Date	October 15, 2001	
STAT	TEMENT BY	AP	PLICANT	First Named Inventor	Doron HANDELMAN	
				Group Art Unit		
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Sheet	1	of	1	Attorney Docket Number	HANDELMAN1A	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
MC	AA'	4,626,076		CHEMLA	12-02-1986		
MC	AB	5,452,115		TOMIOKA	09-19-1995		
nc	AC	5,867,289		GERSTEL et al	02-02-1999		
MC	-AD	6,108,112		TOUMA	08-22-2000		

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite		Foreign Patent Nun	nber Kind Code ⁵	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages		
Initials*	No.1	Office ³	Number	(if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	or Relevant Figures Appear	T⁵	
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	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Cite Initials* No.	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Complete if Known Substitute for form 1449A/PTO 09/976,243 **Application Number** INFORMATION DISCLOSURE October 15, 2001 Filing Date First Named Inventor Doron HANDELMAN et al TATEMENT BY APPLICANT 2633 Group Art Unit (use as many sheets as necessary) **Examiner Name** of 1 Attorney Docket Number HANDELMAN =1A

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Signature

1	U.S. PATENT DOCUMENTS						
Exa Initi	miner als*	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ne	AE	4,726,010		ALI et al	02-16-1988	
	40	AF	5,416,625	Α	CAVACIUTI et al	05-16-1995	
	ac	AG	5,953,138	A	ELLIS	09-14-1999	
	4c	АН	6,023,360	A	MORIOKA et al	02-08-2000	
	uc	Al	6,204,944	Α	UCHIYAMA et al	03-20-2001	DECEIVED
	MC	AJ	6,288,808	B1	LEE et al	09-11-2001	Uli 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$'$ \square	ar	AK	6,314,115	B1	DELFYETT et al	11-06-2001	SEP 0 9 2003
	he	AL	5,319,484	Α	JACOB et al	06-07-1994	2EL 0.3 5000
F	nc	-AM	5,325,222	A	JACOB et al	06-28-1994	Technology Center 260
E							

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
no	AN	FIBER OPTIC PRODUCT NEWS Journal, "OCDMA Promises Disruptive New Metro Network Model", March 2001, pp. 114 and 116.	
ne	AO	JONES, Nevin and Trevor Wilson, "A Justification for a Variable Bandwidth Allocation Methodology for SONET Virtually Concatenated SPEs", LUCENT TECHNOLOGIES, July 10-14, 2000.	
nc	AP	JONES et al, "Higher Order SONET Virtual Concatenation", LUCENT TECHNOLOGIES, April 9, 1999.	
hc	AQ	AUTRY, Chris and Henry Owen, Chapter 39, "Synchronous Optical Network (SONET)", THE COMMUNICATIONS HANDBOOK, Jerry Gibson, Ed., CRS Press, Salem, MA, 1997, pp. 542-553.	
MC	AR	AUTRY, Chris and Henry Owen, Chapter 40, "Synchronous Digital Hierarchy (SDH)",)", THE COMMUNICATIONS HANDBOOK, Jerry Gibson, Ed., CRS Press, Salem, MA, 1997, pp.554-564.	
		an all	

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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First Named Inventor	HANDELMAN et al.	
Group Art Unit		
Examiner Name		
Attorney Docket Number	HANDELMAN1A	

			_	U.S. PATENT DOCU	MENTS		7
Examiner Initials*	Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
110	AA	5,774,244		TANDON et al.	06-30-1998		
nc	AB	6,233,082		JOHNSON	05-15-2001		
MC	AC	5,170,273		NISHIO	12/1992		
me	AD	5,191,457		YAMAZAKI	3/1993		
uc	AE	5,194,977	* .	NISHIO	3/1993		
nc	AF	5,557,439		ALEXANDER et al.	9/1996		
RC	AG	5,680,490		COHEN et al.	10/1997		
MC	АН	5,712,932		ALEXANDER et al.	1/1998		
AC	AJ	5,479,447		CHOW et al.	12/1995		
nc	ΑJ	5,400,322		HUNT et al.	3/1995		
no	AK	5,724,167		SABELLA	3/1998		
dic	AL	5,739,935		SABELLA	4/1998		
40	AM	5,457,687		NEWMAN	10/05/1995		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Inilials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
nc	AN	WILNER, A., "MINING THE OPTICAL BANDWIDTH FOR A TERABIT PER SECOND," IEEE Spectrum, April 1997, pp. 32-41.	
nc	AO	"RECORD DATA-TRANSMISSION RATE REPORTED AT ECOC '96", Laser Focus World, November 1996, pp. 40-42.	
nc	АР	LERNER, E., "MULTIPLE WAVELENGTHS EXPLOIT FIBER CAPACITY, Laser Focus World, July 1997, pp. 119-125.	
no	PΑ	ZANKOWSKY, D., "ADVANCES IN DENSE WDM PUSH DIODE-LASER DESIGN", Laser Focus World, August 1997, pp. 167-171.	
no	AR	"MULTISTAGE AMPLIFIER PROVIDES GAIN ACROSS 80 NM," pp. 22-23.	
no	AS	HECHT, J., "OPTICAL SWITCHING PROMISES CURE FOR TELECOMMUNICATIONS LOGJAM," Laser Focus World, September 1998, pp. 69-72.	
nc	AT	GIBSON, J., THE COMMUNICATIONS HANDBOOK, 1997, PP. 883-890.	

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			2 01 4
m	AU	KAZOVSKY et al.,"WDM LOCAL AREA NETWORKS," IEEE LTS, May 1992, pp. 9-15.	
MC	AV	FLIPSE, R., *OPTICAL SWITCHES EASE BANDWIDTH CRUNCH, EuroPhotonics, August/September 1998, pp. 44-45.	-
ÁC	AW	WEISS, S., "SPEED DEMONS: IS 'FASTER BETTER AND CHEAPER?," Photonics Spectra, February 1999, pp. 96-102.	
ЙC	AX	MISKOVIC, E., "WAVELENGTH LOCKERS KEEP LASERS IN LINE," Photonics Spectra, February 1999, pp. 104-110.	
MC	AY	JONES-BEY, H., "OPTICAL SWITCHES PURSUE CROSSCONNECT MARKETS," Laser Focus World, May 1998, pp. 153-162.	
nc	AZ	NERIG, R., "DEMAND TRIGGERS ADVANCES IN DENSE WDM COMPONENTS," Optoelectronics World, September 1998, pp. s5-s8.	
nc	ВА	ESCOBAR, H., "Optical Networks," Photonics Spectra, December 1998, pp. 163-167.	
nc	88	WHEELER, M., "Ultrafast Optical Switch Unveiled," Photonics Spectra, December 1998, p. 42.	-
ne	ВС	COLLINS, J. et al., "DATA EXPRESS, GIGABIT JUNCTION WITH THE NEXT-GENERATION INTERNET," IEEE Spectrum, February 1999, pp. 18-25.	
MC	BD	LAM, J., "DESIGNING BROADBAND FIBER OPTIC COMMUNICATIONS SYSTEMS," Communication Systems Design, February 1999.	
ne		"TERABIT-TRANSMISSION DEMONSTRATIONS MAKE SPLASH AT OFC '96," Laser Focus World, April 1996, p. 13.	a.
no	BF	ROLLAND, C. et al., MULTIGIGABIT NETWORKS: The Challenge, IEEE LTS, May 1992, pp. 16-26.	
nc		GREEN, P. et al., "DIRECT DETECTION LIGHTWAVE SYSTEMS: WHY PAY MORE?", IEEE LCS, November 1990, pp. 38-49.	
ne	вн	HINTON, S., "PHOTONICS IN SWITCHING", IEEE LTS, August 1992. pp. 26-35.	
nc		TABA, H. et al., "ADVANCED TECHNOLOGY FOR FIBER OPTIC SUSCRIBER SYSTEMS," IEEE LTS, November 1992, pp. 12-18.	
no		LERNER, E., "FIBER AMPLIFIERS EXPAND NETWORK CAPACITIES," Laser Focus World, August 1997, pp. 85-96.	
ne		MOCHIDA, Y., "TECHNOLOGIES FOR LOCAL-ACCESS FIBERING," IEEE Communications Magazine, February 1994, pp. 64-72.	
10	BL	GANZ et al., "WAVELENGTH ASSIGNMENT IN MULTIPHOP LIGHTWAVE NETWORKS, IEEE Transactions on Communications, Vol. 42, No. 7, July 1994, pp. 246-2469.	

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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



nc	ВМ	SUZUKI et al., "WAVELENGTH-DIVISION SWITCHING TECHNOLOGY IN PHOTONIC SWITCHING SYSTEMS IEEE International Conference on Communications, ICC 1990, pp. 1125-1129.		
M	BN	LABOURDETTE et al., "BRANCH-EXCHANGE SEQUENCES FOR RECONFIGURATION OF LIGHTWAVE NETWORKS," IEEE Transactions on Communications, vol., 42, no. 10, October 1994, pp. 2822-2832.		
nc	ВО	AUERBACH et al., "USE OF DELEGATED TUNING AND FORWARDING IN WAVELENGTH DIVISION MULTIPLE ACCESS NETWORKS, IEEE Transactions on Communications, vol. 43, No. 1, January 1995, pp. 63.		
nc	BP	MAIER, G. et al., "DESIGN AND COST PERFORMANCE OF THE MULTISTAGE WDN-PON ACCESS NETWORK," Journal of Lightwave Technology, vol. 18, no. 2, February 2000, pp. 125-143.		
hc	BQ	"POLARIZATION INSENSITIVE WIDELY TUNABLE ALL-OPTICAL CLOCK RECOVERY BASED ON AM MODE-LOCKING OF A FIBER RING LASER," IEEE Photonics Technology Letters, Vol. 12, No. 2, February 2000, pp. 211-213.		
ne	BR	"ULTRA-HIGH-SPEED PLL-TYPE CLOCK RECOVERY CIRCUIT BASED ON ALL-OPTICAL GAIN MODULATION IN TRAVELING-WAVE LASER DIODE AMPLIFIER," Journal of Lightwave Technology, vol. 11, No. 12, December 1993, pp. 2123-2129.		
Йc	BS	HECHT, J., "ALL-OPTICAL NETWORKS NEED OPTICAL SWITCHES, Laser Focus World, May 2000, pp. 189- 196.		
nc	вт	GOLDBERG, L., "PHOTONS AT WORK: OPTICAL NETWORKS ON THE RISE," Electronic Design, March 22, 1999, pp. 56-66.		
MC		PATTAVINA, A., "ASYNCHRONOUS TIME DIVISION SWITCHING," IEEE Communications Handbook, 1997, - pp. 686-700.		
Mc		RUBIN, I., "MULTIPLE ACCESS METHODS FOR COMMUNICATIONS NETWORKS, IEEE Communications Handbook, 1997, pp. 622-649.		
no		PAN and SHI, "COMBINING GRATINGS AND FILTERS REDUCES WDM CHANNEL SPACING," ptoElectroni World, September 1998, pp. S11-S17.		
MC		HALL et al., "PICOSECOND-ACCURACY ALL-OPTICAL BIT PHASE SENSING USING A NONLINEAR OPTICAL LOOP MIRROR," IEEE Photonics Technology Letters, vol. 7, No. 8, August 1995, pp. 935-937.		
Me		HALL et al., "AN ULTRAFAST VARIABLE OPTICAL DELAY TECHNIQUE," IEEE Photonics Technology Letters, vol. 12, no. 2, February 2000, pp. 208-210.		
Ma		"PRESCALED 6.3 GHz CLOCK RECOVERY FROM 50 Gbits/s TDM OPTICAL SIGNAL WITH 50 GHz PLL USING FOUR-WAVE MIXING IN A TRAVELLING WAVE LASER DIODE OPTICAL AMPLIFIER," Electronic Letters, 12 May 1994, vol. 30, no. 10, pp. 807-809.		
Me		KLOVEKORN and MUNCH, "VARIABLE OPTICAL DELAY LINE WITH DIFFRACTION LIMITED AUTOALIGNMENT," Applied Optics, April 1, 1998, vol. 37, No. 10, pp. 1903-1904.		
Mc		COMPACT 40 Gbit/s OPTICAL DEMULTIPLEXER USING A GAINASP OPTICAL AMPLIFIER, Electronic Letters, November 25, 1993, vol. 29, no. 24, pp. 2115-2116.		
MC		LUCENT UPGRADES WAVESTAR TO 20-CHANNEL, 800-Gb/s TRANSMISSION: CHALMERS DEVELOPS 49-dB OPTICAL PARAMETRIC AMPLFIER," Photonics Spectra, June 2000, p. 46.		
nc	CD	PATRICK et al., "BIT-RATE FLEXIBLE ALL-OPTICAL DEMULTIPLEXING USING A NONLINEAR OPTICAL LOOP MIRROR," Electronic Letters, April 15, 1993, vol. 29, no. 8, pp. 702-703.		

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

ne	CE	EISELT et al., "ALL-OPTICAL HIGH SPEED DEMULTIPLEXING WITH A SEMICONDUCTOR LASER AMPLIFIER IN A LOOP MIRROR CONFIGURATION," Electronics Letters, June 24, 1993, vol. 29, no. 13, pp. 1167-1168.		
MC	CF	"OPTICAL AMPLIFIERS REVOLUTIONIZE COMMUNICATIONS," Laser Focus World, September 1998, pp. 2 32.		
Mc	CG	"SINGLE INTERFEROMETER DEMULTIPLEXES 40-Gbit/s OPTICAL-TIME-DIVISION-MULTIPLEXED SIGNAL," Laser Focus World, November 1999, p. 11.		
nc	СН	"FIBER-OPTIC CHIPS MULTIPLEX 16 T1/E1 CHANNELS OVER ONE CABLE," Electronic Design, April 17, 2000, p. 46.		
Mc	CI	BINETTI et al., "ANALYSIS AND DIMENSIONING OF SWITCHLESS NETWORKS FOR SINGLE-LAYER OPTICAL ARCHITECTURE, " Journal of Lightwave Technology, vol. 18, no. 2, February 2000, pp. 114-153.		
Me	CJ	HALL et al, "100-Gbit/s BITWISE LOGIC," MIT Lincoln Laboratory, Optics Letters, vol. 23, no. 16, August 15, 1998, pp. 1271-1273.		
MC		BLIXT and BOWERS, "AN OPTICAL TECHNIQUE FOR BIT AND PACKET SYNCHRONIZATION," IEEE Photonics Technology Letters, vol. 7, no. 1, January 1995, Pages 123-125.		
nc		"DOUBLE-SPREADING MODULATION SCHEME PICKS UP WHERE CDMA AND TDMA LEAVE OFF," Electronics Designs, pp. 28-32, July 10, 2000.		
Mc	٠ ا	ELLIS et al., "TRANSMISSION OF A TRUE SINGLE POLARISATION 40 Gbit/s SOLITON DATA SIGNAL OVE 205km USING A STABILIZED ERBIUM FIBRE RING LASER AND 40 GHz ELECTRONIC TIMING RECOVER' Electronics Letters, vol 29, no. 11, pp. 990-992, May 27, 1993.		
no		JALAII et al., "TIME-STRETCH METHODS CAPTURE FAST WAVEFORMS," Microwaves & RF, April 1999, pp. 62=-69.		
AC		WAKUI, "THE FIBER-OPTIC SUBSCRIBER NETWORK IN JAPAN," IEEE COMMUNICATIONS MAGAZINE, pp. 56-63, February 1994.		

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